





Concrete solutions for our greatest challenges

Régénérer notre océan et nos eaux Ministère de l'Enseignement Supérieur et de la Recherche, Paris 30 Janvier 2024

Elisabetta Balzi,
Head of Unit, Ocean, Seas and Waters
Deputy Director, Healthy Planet
European Commission, DG RTD

#EUmissions #HorizonEU #MissionOcean





"Every problem is an opportunity for innovation.

But we need a clear and ambitious objective.

We <u>need a mission</u>, like the European Green Deal.

That is why we have launched the 'Mission to Restore our Ocean and Waters by 2030'.

With <u>EUR 0.5 billion in funding</u> from the world's largest research and development programme, Horizon Europe, and other instruments."

President von der Leyen at the One Ocean Summit, 11 Feb 2022





Mission Restore our Ocean and Waters by 2030

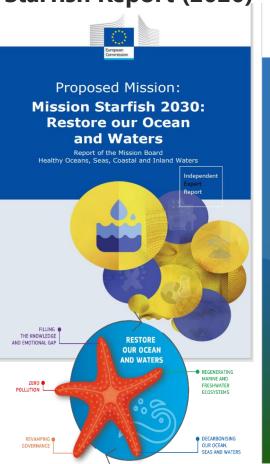
a systemic approach for the hydrosphere

European

Missions

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Mission Board Starfish Report (2020)



EC Com 2021

the Commission to the

European Parliament, the Council.

the Committee of the Regions on

the European Economic and Social Committee and





EC Com 2023



Brussels, 19.7.2023 COM(2023) 457 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

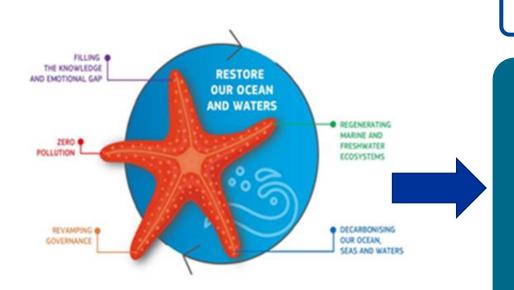
EU Missions two years on: assessment of progress and way forward

{SWD(2023) 260 final}





Starfish Report → Mission Restore our Ocean and Waters



Restore our ocean and waters by 2030



Protect & restore ecosystems and biodiversity



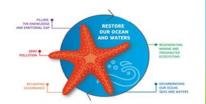
Prevent & eliminate pollution



Make Blue
Economy carbon
neutral and
circular

Digital ocean and water knowledge system Public mobilization & engagement







Mission objectives and targets

Restore our Ocean and Waters by 2030

PROTECT AND RESTORE MARINE AND FRESHWATERS ECOSYSTEMS **AND BIODIVERSITY**

- Protect at least 30% and strictly protect 10% EU's sea areas
- Restore 25.000 km free flowing rivers
- Marine nature restoration targets (incl. degraded seabeds, coastal ecosystems)

PREVENT AND ELIMINATE POLLUTION OF OUR OCEANS, SEAS AND WATERS

- Reduce by at least 50% plastic litter
- Reduce by at least 30% microplastics
- Reduce by at least 50% nutrient losses, chemical pesticides

Make the blue economy **CARBON- NEUTRAL AND CIRCULAR**

Digital Ocean and Waters Knowledge system

- Net zero maritime emissions.
- Zero carbon aquaculture,
- Low carbon multipurpose use of marine space

ENABLERS



Mission lighthouses:

sites to pilot, demonstrate, develop and deploy the Mission activities across EU seas and river basins









Synergies – Teaming up beyond EC / HE level

Across different EU Programmes

Horizon Europe, EMFAF, Life, Inter-Reg, InvestEU, EIB, Recovery and Resilience Funds

With Member States and Regions

National and regional programmes / initiatives, partnerships

With International partners / initiatives

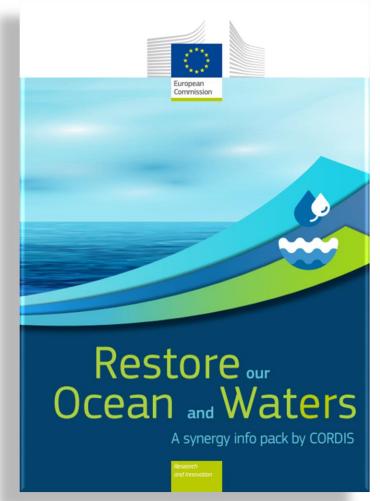
UN Decade Ocean Sciences, UfM, Alliances (e.g. AAORA)

With public & private sectors, and investors

Universities, Joint Undertakings, EIB, EBRD, philanthropy

With citizens and youth

Citizens initiatives, EU4Ocean, Youth ocean Ambassadors







POLITICAL BUY-IN



Danube high level event: 3-4 April, Bucharest



Mr Sebastian-Ioan Burduja, Minister for Research, Innovation and Digitization





BALTIC AND NORTH SEA LIGHTHOUSE

Hamburg, 25-26 April 2023



Judith Pirscher State Secretary Federal Ministry of Education and Research





Atlantic-Arctic lighthouse: 23-24 Nov. 2022, Cork





Michael D. Higgins, President of Ireland

Simon Coveney Minister for Foreign Affairs

MEDITERRANEAN SEA LIGHTHOUSE EUROPEAN UNION



Marseille, 14-15 June 2022



Marseille, 14-15 June 2022





Coalition of cities & regions



Coalition of islands



Nello Musumeci, Minister for Civil Protection and Sea Policies, Italy





Mission Ocean & Waters: an ever-growing interest

15 Member States

Belgium, Denmark, Estonia, Finland, **France**, Germany, Ireland, Italy, Latvia, Lithuania, Norway, Poland, Portugal, Romania, Spain

supported the Mission through political statement and by endorsing the Mission Charter.







Charter ACTIONS – NATIONAL AUTHORITIES

- FR Secretariat General de la Mer

<u>Comités France Maritime et Océans Méditerranée - European Commission (europa.eu)</u> <u>Comités France Maritime et Océans - European Commission (europa.eu)</u>



DE Federal Ministry of Research and Education

DAM pilot missions: MGF North Sea and MGF Baltic Sea - European Commission (europa.eu)

DAM Research Mission: sustainMare - European Commission (europa.eu)

DAM Research Mission: CDRmare - European Commission (europa.eu)

Oceans under Stress - Analysis of Marine CO2 Uptake Capacity - European Commission (europa.eu)

Research programme KüNO III: Coasts in Transition - European Commission (europa.eu)

- FI Ministry of the Environment

Water protection programme - European Commission (europa.eu)

<u>Inventory Programme for Underwater Marine Diversity, Velmu - European Commission (europa.eu)</u>

Sustainability of the coast - Finnish Coastal Strategy - European Commission (europa.eu)

- LV Ministry of Environmental Protection and Regional Development of the Republic of Latvia

Fostering integrated governance in the near shore zone - European Commission (europa.eu)





Charter ACTIONS – NATIONAL AUTHORITIES

ET Estonian Ministry of Rural Affairs
 Open Fishing Port Day - European Commission (europa.eu)



- ES Ministry of Environment and Territory of the Balearic Islands
 - Posidonia conservation in Balearic Islands and a Med Network European Commission (europa.eu)
- IE Uisce Éireann (National Public Waters Authority)

 Upgrade national wastewater treatment infrastructure European Commission (europa.eu)
- LT Lithuanian Inland Waterways Authority
 Electric cargo transportation by inland waterways of LT European Commission (europa.eu)





MISSION CHARTER





MISSION CHARTER - Mobilising Communities



The Mission Charter is meant to mobilise all stakeholders to achieve the goals of the Mission, strengthening cooperation, aligning efforts and achieving critical mass for the transformational change needed to restore our oceans and waters by 2030.

The Charter for the Mission "Restore our Ocean and Waters by 2030" (europa.eu)

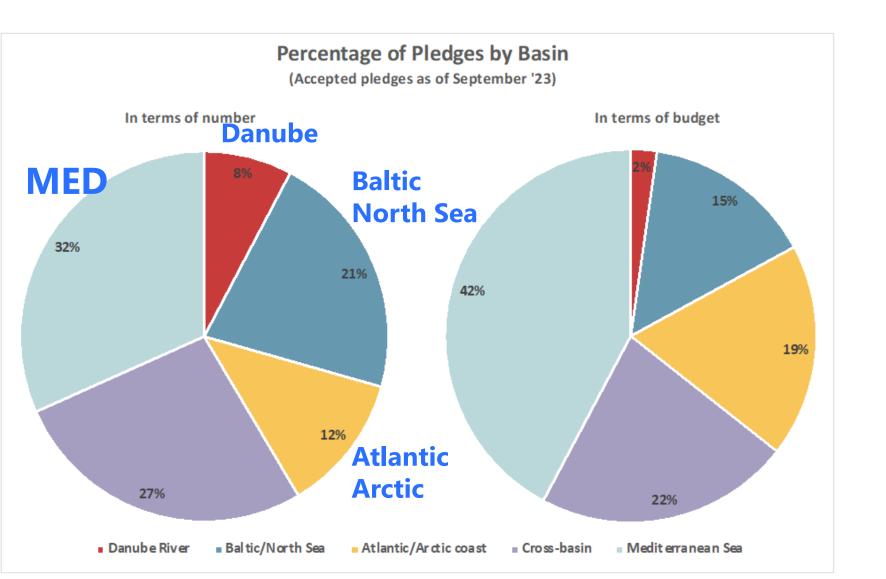
EUSurvey - Survey (europa.eu)







Mission Charter actions



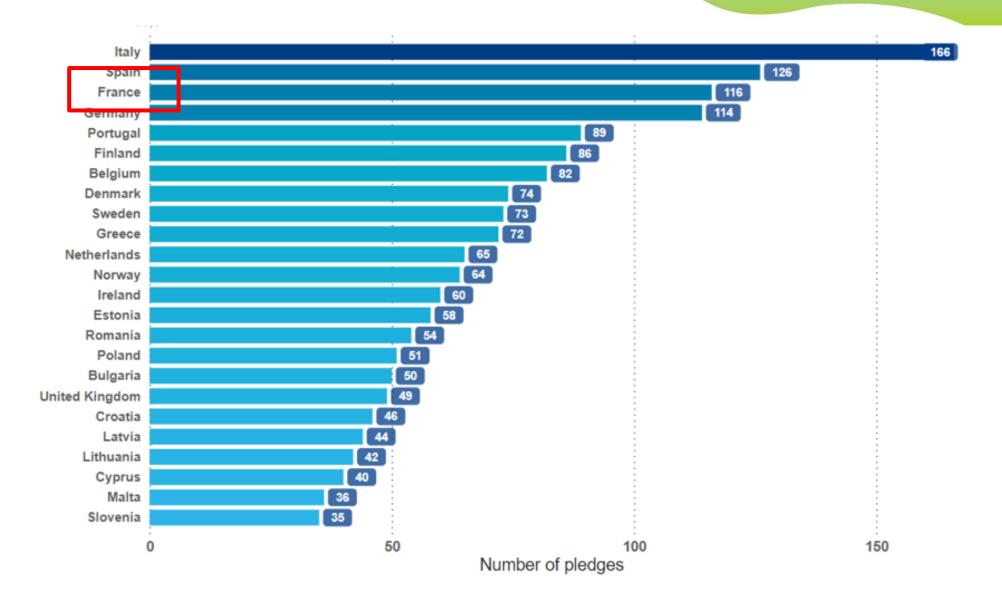
Over 550 actions submitted with 457 actions accepted and visible to the Mission Atlas Budget mobilised: €4,28 billion















FRENCH SUBMISSIONS TO THE CHARTER

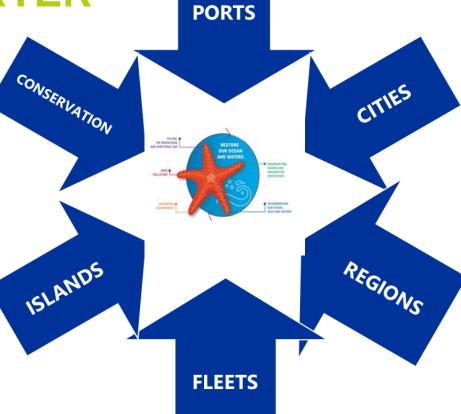
116 actions submitted to the Mission Charter from French actors, of which:



- region
- city
- islands
- Port and fleets
- Research & academia
- Private entreprises
- MPAs
- NGOs
- •











FR - Charter: NATIONAL AUTHORITIES Secrétaire Général de la Mer







FR - Charter: REGIONS

Région Sud



Title of the action: Call for projects: for a Zero Plastic Waste

Mediterranean

Short description: The approach taken is based on two

principles: 1 Exploiting all the resources of regional

competences: the Region relies on its various lead

departmen... see more info

Name of organisation: Region Sud

Budget: 2.954 Million Euro



FR - Charter: CITIES













Title of the action: Preventing Plastic Pollution (PPP)

Short description: Globally, about 80% of plastic pollution

comes from terrestrial sources (GESAMP, 2016) and

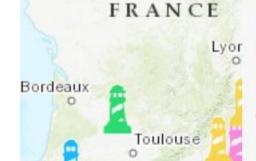
approximately 4 million tonnes of plastic waste enter the s...

see more info

Name of organisation: Preventing Plastic Pollution (PPP)

Project

Budget: 14.3 Million Euro





Title of the action: Ocean Hackathon

Short description: Ocean Hackathon® is a non-stop, 48-

hour event during which teams develop a prototype and reflect on its use. This must be based on marine data. A

call... see more info

Name of organisation: Technopôle Brest-Iroise

Budget: 0.042 Million Euro





EUMISSIONS RESTORE OUR OCEAN & WATERS

FR - Charter Citizens engagement actions





Title of the action: Quiz: OCEAN 2150, what if all went fine?

Short description: The aim of the quiz is to inform the visitors of Nausicaa aquarium about the role and importance of nature-based solutions to adapt to and to mitigate... see more info

Name of organisation: Nausicaa, Centre National de la Mer

Budget: 0.01 Million Euro



Title of the action: **Developping innovative & collaborative projects in Maritime**

Short description: Pôle Mer Bretagne Atlantique (PMBA) is a sea innovation cluster that manages a network of more than 420 organisations on a triple helix approach in wh...

see more info

uxemb

CE

Gulf of

Name of organisation: Pôle Mer Bretagne Atlantique

Budget: 2.259 Million Euro





FR - Charter: ISLANDS

Saint Honorat - Blue Mission Island award







Title of the action: Valorization of non-organic waste on

Saint-Honorat Island

Short description: Saint-Honorat, is a private island in

Cannes'bay owned by the Lérins Abbey. Twenty monks

live there permanently and welcome around 100 000

visitors pe... see more info

Name of organisation: CCIC Abbaye de Lérins

Budget: 0.022 Million Euro





FR - Charter: ISLANDS

MED WAVES and BeMed-Islands (SMILO)





Title of the action: BeMed-Islands capitalisation process

Short description: • Promoting the collaboration among

BeMed projects and beyond, and particularly by facilitating

the application of existing harmonized approaches and ...

see more info

Name of organisation: MedWaves - Catalan Waste Agency

Budget: 0.1096 Million Euro





FR - Charter: MPAs

Marine Protected Areas



Title of the action: Building a strong community of practice for

a healthy Mediterranean

Short description: MedPAN is an operational network ideally

positioned to ensure the on-the-ground implementation of



the Post 2

more info

Name of or

Bay of Network -

Budget: 2 I



Title of the action: Creation of a protected marine area on the

Cote Basque

Short description: Summary: The project aims, on the South

Atlantic coast of the Basque Country, to restore biodiversity

and ultimately fishery resources and to trigger ... see more

info

Name of organisation: Sepanso 64 (member of FNE)

Bay of

Budget: 0.35 Million Euro





FR - Charter: PORTS

Port Fréjus



Title of the action: Artificial habitats with ecological

connectivity

Short description: Ecocean implements green catering solutions. The company follows a functionality economy and circular economy model. Ecocean has created a product cal... see more info

Name of organisation: Ecocean

Budget: 0.167 Million Euro



FR - Charter: Research & Academia IFREMER







Title of the action: Ocean & Climate priority research programme

Short description: This programme has two majors objectives. The first one is to support the transition from disciplinary research on the ocean (physics, biology, econom... see more info

Name of organisation: **Institut français de recherche pour**

l'exploitation de la mer (Ifremer)

Budget: 40 Million Euro



Bordeaux

Mission Actions - EU Mission Restore our Ocean and Waters (6 of 7)





 $\label{thm:phenomer} \textbf{Title of the action: Phenomer, Phytoplankton Citizen Science}$

Short description: Since the summer of 2013, a

multidisciplinary team coordinated by Ifremer has enlisted

the help of the general public to report any unusual

phenomena ... see more info

Name of organisation: IFREMER

Budget: 0.005 Million Euro

End date of action: 31/12/2025





FR - Charter: Research & Academia Marseille University



Title of the action: The Mediterranean, the sea as a future
Short description: The Science and Arts Festival of the
University of Aix Marseille, launch of the University of the
sea: This Science and Arts festival gathers academi... see
more info

Name of organisation: Aix-Marseille University

European Universities of the Seas - University of Western Brittany





FR - Charter: Research & Academia Research associations





Short description: In the Restoration Decade and the Ocean-Science Decade of the United Nations, the Steps for a change dance company set its sights on mangroves as majo... see more info

Name of organisation: European Marine Board

Budget: 0.01 Million Euro



Title of the action: EuroMarine Individual Fellowship

Programme

FRA

English

Channel

Short description: EuroMarine is a European marine research network that funds scientific, foresight and training activities, and fosters new services relevant to the ma... see more info

Name of organisation: Association EuroMarine

Budget: 0.012 Million Euro





FR - Charter: Research Fleets and Foundations TARA OCEAN







FR - Charter: Non-Governmental Organisation





Title of the action: Eco-citizen operations (pollution cleanup), awareness child

Short description: The organisation has 45 branches around the world. Its national and international development allows it to provide expertise to associations and citiz...

see more info

Name of organisation: Project Rescue Ocean

Budget: 0.03 Million Euro



Title of the action: Blue Print

Short description: Blue Print is a project that has been initiated in 2021 as a pilot project in a specific territory in the region of Brittany (France), Auray Quiberon ... see more info

Name of organisation: Innovations Bleues

Budget: 0.1 Million Euro

FKA



FR - Charter: EU / international projects





Title of the action: SeaMark project

Short description: Scaling up cultivation and processing of macroalgae in a cascading biorefinery concept to attract commercial investments, while monitoring ecosystem s...

see more info

Name of organisation: SUBMARINER Network for Blue

Growth EEIG

Budget: 10.12 Million Euro





Title of the action: MARine COastal BiOdiversity Long-term

Observations

Short description: MARCO-BOLO (MBO) aims to structure and strengthen European coastal and marine biodiversity observation capabilities, linking them to global efforts to...

Bilbao

see more info

Name of organisation: EMBRC-ERIC

Budget: 7.255 Million Euro



Title of the action: BIOcean5D

Short description: BIOcean5D is an EU-funded research

project with contributions from UK and Swiss

government, with the ambitious goal to generate the

data, knowledge, m... see more info

Name of organisation: EMBL - European Molecular Biology

Laboratory

Toulouse

Budget: 17.2 Million Euro



Bayof

Bilb

FR - Charter: Private enterprises





Title of the action: BBI-JU Flagship SCALE project

Short description: SCALE for Supplying Bioactive Compounds

from microalgae to foster a blue future. The system is seriously challenged by evolving more info

Name of organisation: Microphyt

Budget: 24.5 Million Euro



Title of the action: Water Recycling Eco Toilets for Maritime

(ports and ships)

Short description: WRETs treat and recycle on-site the blacwater from the toilets into treated water for flushing, in ports and ships with compact plug & play technology... see more info

Name of organisation: WeCo Toilet

Bills Budget 0 70 Million Fran

Biscay



FR - Charter:

Private enterprises

SPAIN







Title of the action: Sustainable production and biorefinery of brown seaweed

Short description: the goal of the actions are to produce on long lines brown seaweed saccharina latissima on a sustainaible high carbon dioxide absorption approach and

Lisbon

... see more info

Name of organisation: ALGAIA

Budget: 7 Million Euro



Title of the action: Development of aid-decision tools in physical oceanography

Short description: Modelling drift of objects at sea as pollutions, plastics, hydrocarbon... We have developed a web platform aimed at forecasting object drifts, in coas... see more info

Name of organisation: Actimar

Budget: 0.4775 Million Euro



FR - Charter:

Private enterprises







Title of the action: BLUEFINS, a whale fin for less energy-

consuming boats

Short description: Problem and results: - Commercial

vessels, consumers of heavy fuel oil, have undertaken to

reduce their greenhouse gas emissions. - The "fin"

devel... see more info

Name of organisation: Bluefins

Budget: 4 Million Euro





Title of the action: Sea level, wave & multi-observation for

Copernicus Marine

Short description: CLS is deeply involved in the activities of

the Copernicus Marine Service among 3 of 8 of its

Thematic Assembly Center (TAC): • SL TAC (Sea Level

Th... see more info

Name of organisation: CLS

Budget: 5.25 Million Euro





HORIZON EUROPE MISSION CALLS and PROJECTS





HE: Mission Ocean Work Programmes & Calls

CALL - EUR 114 million for calls for proposals 20 projects on-going

EUR 116 million EU funding (EUR 123 M€ total project cost)

CALL - EUR 116 million for calls for proposals

2022 20 projects ongoing

EUR 118,4 million funding (EUR 130 M€ total project cost)

CALL – EUR 110 million for calls for proposals 26 projects recommended for funding

EUR 119 million funding

2023

2021



France:
26 participants
in 21 (out of 40)
Mission projects
from HE calls
2021 and 2022

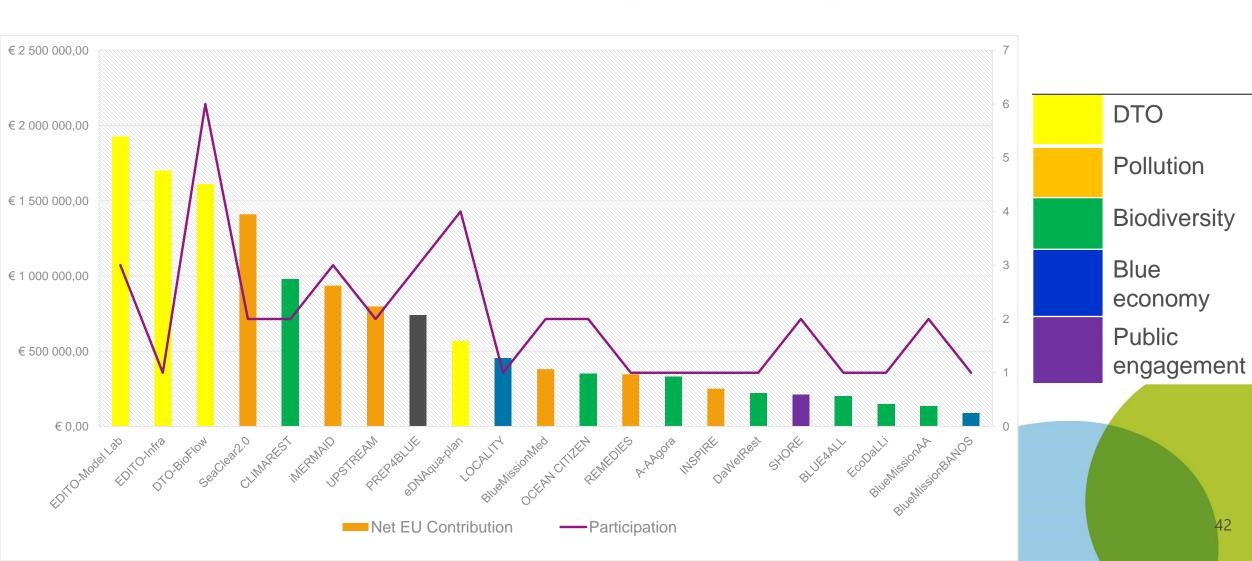
Diagram depicts the volume of funding to individual participants.







France participation







Overview of Mission projects 2021-22 with FR participation





Danube lighthouse

Portfolio of projects

Lighthouse CSA - 3M€

EcoDaLLi - ECOsystem-based governance with DAnube lighthouse Living Lab for sustainable Innovation processes



Restoration of fresh & transitional waters ecosystems
IA - 17M€

DANUBE4all DALIA

Protection & restoration of wetlands, flood plains, coastal wetlands & salt marshes and their biodiversity

DaWetRest- Danube Wetlands and flood plains Restoration through systemic, community engaged and sustainable innovative actions



Restore4Life

Demonstration of effective and sustainable management of sediments IA - 17M€



SEAB

Portfolio of projects

Restoration of marine and coastal ecosystems and increased climate resilience
IA - 17M€

CLIMAREST - Coastal Climate Resilience

and Marine Restoration Tools for the Arctic Atlantic basin

A-Aagora - Blueprint for Atlantic-Arctic Agora on crosssectoral cooperation for restoration of marine and coastal ecosystems and increased climate resilience through transformative innovation



Lighthouse CSA - 3M€

(With Mission Climate): demonstration for coastal resilience, IA - 20M€

Addressing climate change and human activities threats to marine biodiversity IA - 16M€

BlueMissionAA - Building a coordination hub to support the mission implementation in the Atlantic and Arctic basin





2022

2023





European Blue Parks

Portfolio of projects

European Blue ParksIA - 17M€

OCEAN CITIZEN - Marine forest coastal restoration: an underwater gardening socio-ecological plan





BLUE4ALL - Blueprint demonstration for co-created effective, efficient and resilient networks of MPAs





Protection and restoration solutions for degraded coastal and marine habitats
IA - 17M€

PROTECT BALTIC EFFECTIVE

European blue parks:

Protection and restoration of marine habitats

IA - 8.8 M€

2021

2022





Mediterranean lighthouse

Portfolio of projects



₩ VEOLIA

Actions to prevent, minimise and remediate litter and plastic pollution IA – 16M€ **SeaClear2.0** - Scalable Full-cycle Marine Litter Remediation in the Mediterranean: Robotic and Participatory Solutions



REMEDIES - Co-creating strong uptake of REMEDIES for the future of our oceans through deploying plastic litter valorisation and prevention pathways

Lighthouse CSA - 3M€

BlueMissionMed - Lighthouse coordinating and supporting the innovation ecosystem for a Healthy Pollution free Mediterranean Sea



Actions to prevent, minimise and remediate chemical pollution IA - 17M€

RHE-MEDiation

iMERMAID- Innovative solutions for Mediterranean Ecosystem Remediation via Monitoring and decontamination from Chemical Pollution





Missions Ocean & Soil – Joint demonstration of approaches and solutions to address nutrient pollution in the landscape-river-sea system in the Mediterranean sea basin, IA - 8M€



EUMObjective 3 RESTORE OUR OCEAN & WATERS

Baltic and North Sea lighthouse

Portfolio of projects

Low impact marine aquaculture and multi-purpose use of marine space,

IA − 16M€

ULTFARMS OLAMUR

Lighthouse CSA - 3M€

BlueMissionBANOS - Supporting the Mission Ocean Lighthouse in the Baltic and North Sea basins



Bringing sustainable algaebased products and solutions to the market IA - 17M€ LOCALITY – Nature-positive aLgae-based fOod, agriCulture, AquacuLture and textlle producTs made in North and Baltic Sea ecosYstems



AlgaePro BANOS

Green, energy-efficient and sustainable small-scale fishing fleets IA- 12M€

RESTORE OUR OCEAN

Preparation for deployment of lighthouse demonstrators, solution scale ups & citizen & stakeholder involvement, CSA – 5M€

PREP4BLUE - Preparing the Research & Innovation Core for Mission Ocean, Seas & Waters







Objective 1

European natural lakes:
demonstration of integrated
approaches to protection and
restoration of natural lake
ecosystems and their biodiversity,
IA - 12M€

Ocean and Mission Soil – Joint demonstration of an integrated approach to increasing landscape water retention capacity at regional scale, IA - 15M

Prevent and eliminate litter, plastics and microplastics: Innovative solutions for waste-free European rivers, IA – 10M€

UPSTREAM- Circular and Bio-Based Solutions for the Ultimate Prevention of Plastics in Rivers Integrated with Elimination And Monitoring Technologies

Le Quéré (S.A.S.)

Complex maritime projets « Blue Territory ® »

INSPIRE- Innovative Solutions for Plastic Free European Rivers



Marine litter and pollution

- Smart and low
environmental impact
fishing gears. IA - 10M€

SEARCULAR NETTAGPlus

Objective 3

Nature-inclusive concept design and practices for offshore renewables, RIA – 4.5 M€

Analysis of the obstacles and opportunities for repurposing aged/unused offshore infrastructures, RIA – 1.4 M€

2023



Enabler 1 - Digital Ocean and Waters ONS RESTORE OUR O **Knowledge system**

Institut Mines-Télécoi

Underlying models for the European Digital Twin Ocean, IA - 7M€

EDITO-Model Lab - Underlying models for the European Digital Twin Ocean - EDITO-Model Lab





Public Infrastructure for the DTO IA, IBA - 3M€

Integration of biodiversity monitoring data into the DTO, IA -10M€

Towards a European e-DNA library of marine and freshwater species

EDITO-Infra - EU Public Infrastructure for the European Digital Twin Ocean

DTO-BioFlow— Integration of biodiversity monitoring data into the Digital Twin Ocean

DIGI4ECO

eDNAqua-plan- A Plan towards an eDNA reference library and data repository for Aquatic Organisms, navigating Europe towards the next generation biodiversity monitoring











SORBONNE

JNIVERS



unesco



Integration of socio-ecological models into the Digital Twin Ocean, RIA, 10M€

Roadmap towards the integration of inland waters into the Digital Twin Ocean, CSA - 2M€





The relation of young generations with the sea and water: values, expectations, and engagement RIA - 1M€

Enabler 2 - Public mobility of SIONS and engagement

FLOW

Piloting citizen science in marine and freshwater domains, CSA - 1M€

OTTERS

Europeanisation of Plastic Pirates Citizen Science Initiative, IBA - 2M€

Student and school activities for the promotion of education on 'blue' sustainability and the protection of marine and freshwater ecosystems, CSA - 3M€

PlasticPiratesEU

SHORE-

SHORE: EmpOweR Students as the agents of cHangE

ProBleu

BlueLightS

Towards local community-driven business models: regenerative ocean farming, CSA - 3M€

C-FAARER COOL BLUE

Choose your fish: a campaign for responsible consumption of products from the sea, CSA - 2M€

Ocean & water and arts: the contribution of creative sectors to Mission Ocean, CSA - 2M€







Example of projects with FR participation





DTO-BioFlow – Integration of biodiversity monitoring data into the Digital Twin Ocean Enabler 1 - Digital Ocean and Waters Knowledge system

SCOPE

 The DTO-BioFlow project will contribute to the Digital Twin of the Ocean (DTO), an IT replica of the ocean allowing simulation of 'what if' scenarios, advancing ocean knowledge, fostering fact-based policymaking and offering a range of applications in society. Goals of the project include: 1) Replicating the ocean's ecology 2) activating 'sleeping' marine biodiversity data and 3) integrating Artificial Intelligence and automated data flows from various sources.

BUDGET

EU contribution: € 1.609.361,25

Total cost: € 1.673.236,25

FR beneficiaries















EDITO-Model Lab - Underlying models for the European Digital

TWIN Ocean Enabler 1 - Digital Ocean and Waters Knowledge system

SCOPE

 EDITO-Model Lab will prepare the next generation of ocean models, complementary to Copernicus Marine Service to be integrated into the EU public infrastructure of the European Digital Twin Ocean (EDITO) that will ensure access to required input and validation data, and to high-performance and distributed computing facilities. It will be consolidated under developments of Destination Earth (DestinE). As an interactive and user driven initiative, EDITO-Model Lab will deliver a Virtual Ocean Model Lab through a core model suite including global highresolution models and coastal configurations, downstream user toolkits and a developer's toolkit for a sustainable ocean.

BUDGET

EU contribution: € 1.924.687,50

Total cost: € 1.924.687,50

FR beneficiaries

Coordinator:







Jan 2023 – Dec 2025





SeaClear2.0 - Scalable Full-cycle Marine Litter Remediation in the Mediterranean: Robotic and Participatory Solutions Obj. 2 Pollution – Mediterranean Lighthouse

SCOPE

• SeaClear2.0 will develop a holistic approach to address the full cycle of marine litter. The project aims to prevent and reduce marine litter pollution, particularly plastics and microplastics, in the Mediterranean. This will be achieved via community activation and citizen empowerment, scaling up the project's innovative teams of autonomous, intelligent robots for effective monitoring and collection of marine seafloor and surface litter, and the valorisation of the collected litter. The project also aims to Good Environmental Status by providing evidence for new legislation and the implementation of existing rules. SeaClear2.0 impact ranges from the reduction of upstream and beach litter via public awareness and citizen activation; through effective litter monitoring using both robotic mapping and public reporting in a gamified app; to direct collection of at least 57% of existing litter in the areas covered by the robot teams.

BUDGET

EU contribution: € 1.410.622,50

Total cost: € 2.015.175,00

FR beneficiaries





Jan 2023 – Dec 2026





CLIMAREST - Coastal Climate Resilience and Marine Restoration Tools for the Arctic Atlantic basin

Obj. 1 Biodiversity – Atlantic and Arctic Lighthouse

SCOPE

CLIMAREST integrates multiple expertise into a holistic approach, to develop a toolbox designed to establish guidelines for ecosystem restoration and to enhance climate resilience in coastal communities. The concept is to develop, test and optimise a modular toolbox that integrates expert knowledge, scientific information, multilevel stakeholder and community involvement, ecosystem service improvement analysis, cost-benefit analysis, priority of actions, and custom designed protocols for restoring and monitoring multiple coastal habitats. The toolbox framework will have common and specific tools that will be tested, optimised and demonstrated in five different ecosystems, across a latitudinal gradient of the Arctic-Atlantic basin, ranging from the high-Arctic Svalbard (79° N) in the North to the Madeira archipelago (33° N) in the South.

BUDGET

EU contribution: € 977.027,50

Total cost: € 1.129.127,50

FR beneficiaries





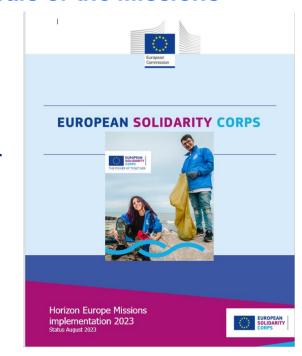




EUROPEAN SOLIDARITY CORPS and EU MISSIONS

Contribute to European Green Deal by mobilising young citizens to be active players and vectors of change in climate, environmental and health issues, linked to the goals of the Missions

- EUR 16.5 million Horizon Europe Work Programme 2023
- The amount was entirely distributed to volunteering activities
- Contribution agreements with 31 programme countries (27 MS + Iceland, Liechtenstein, North Macedonia and Türkiye.)
- Results: 465 projects for "environmental protection, sustainable development and climate action" + 365 under "projects green practices".
- Examples for Mission Ocean and Waters in FR:



	ASSOCIATION POUR LA MISE EN VALEUR DES RIVIERES ET POUR LES INITIATIVES LOCALES

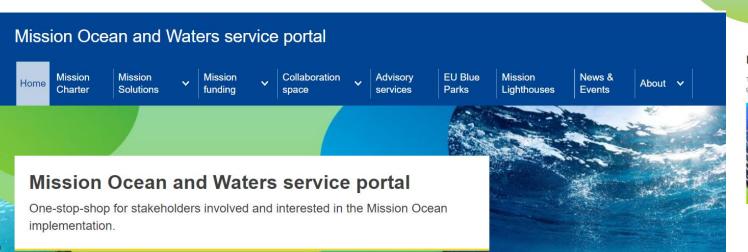
France Oceans and waters; biodiversity, environmental protection, environmental education, green skills

Fondation Tour du Valat, Institut de recherche pour la conservation des zones humides méditerranéennes

MISSION IMPLEMENTATION PLATFORM







Mission Ocean projects

These Horizon Europe Mission Ocean-funded projects are part of the drivers to fulfil the Mission goals across all Lighthouses. Discover who they are and the work they do.



Find financing

Find a variety of financial programmes and instruments to finance projects and actions related to ocean conservation and blue economy.

Join the Mission

We provide different opportunities for actors and citizens to support and implement ideas related to ocean and water ecosystem restoration, the prevention and elimination of pollution, and making the sustainable blue economy circular and carbon-neutral.



Endorse the Mission Charter

We are calling on Member States, regions and a wide range of stakeholders to endorse the Mission Charter and pledge actions that will contribute to the successful implementation of Mission Ocean and Waters and its Lighthouses.



Join our Forum

Mission Ocean and Waters will present its progress at a Forum hosted annually in Brussels, allowing online exchanges and networking among the Mission Forum community. Find out more about the event here.



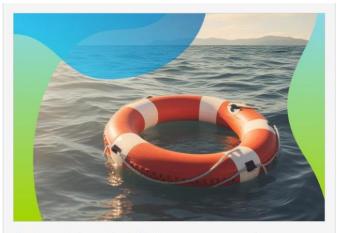
Join the EU Blue Parks Community

Join the EU Blue Parks Community, a collaborative platform for policymakers, researchers, and stakeholders to work together on marine conservation and achieve the goals of the 2030 EU Biodiversity Strategy.



Search for innovative solutions

Find shared knowledge and expertise, fostering collaboration and innovation.



Seek assistance in tailoring your research

Request support in customising your research and connect with solution owners. You can also submit your demand through our helpdesk webform.





Upcoming EVENTS

Mission Ocean and Waters Forum and matchmaking: Brussels, 4-5 March 2024

Mission "Restore our Ocean and Waters by 2030" Annual Forum: towards 2030 - European Commission (europa.eu)

within the European Ocean Days

• UN Ocean Decade Conference, Barcelona, 10-12 April 2024 2024 Ocean Decade Conference | UNESCO

Our Ocean – An Ocean of potential, Athens, 15-17 April 2024

Our Ocean - An Ocean of Potential (ourocean2024.gov.gr)



Digital Twin Ocean Forum, Brussels 13 June 2024

SPREAD THE NEWS

REGISTRATION IS OPEN

More info

https://maritimeforum.ec.europa.eu/theme /governance/europeanocean-days_en

























Thank you!

#MissionOcean **#EUmissions** #HorizonEU Restore our Ocean and Waters (europa.eu)

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